

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number
WO 03/063425 A1

(51) International Patent Classification⁷: **H04L 12/44**, Michael [SE/SE]; Strandskatevägen 26, S-134 62 Ingärdö 12/46, 12/28, 12/56, 29/06 (SE).

(21) International Application Number: PCT/SE03/00036 (74) Agent: DR LUDWIG BRANN PATENTBYRÅ AB; P.O. Box 17192, S-104 62 Stockholm (SE).

(22) International Filing Date: 14 January 2003 (14.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0200180-8 18 January 2002 (18.01.2002) SE

(71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET LM ERICSSON (PUBL.) [SE/SE]; S-126 25 Stockholm (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): JUNGE PEDERSEN,

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

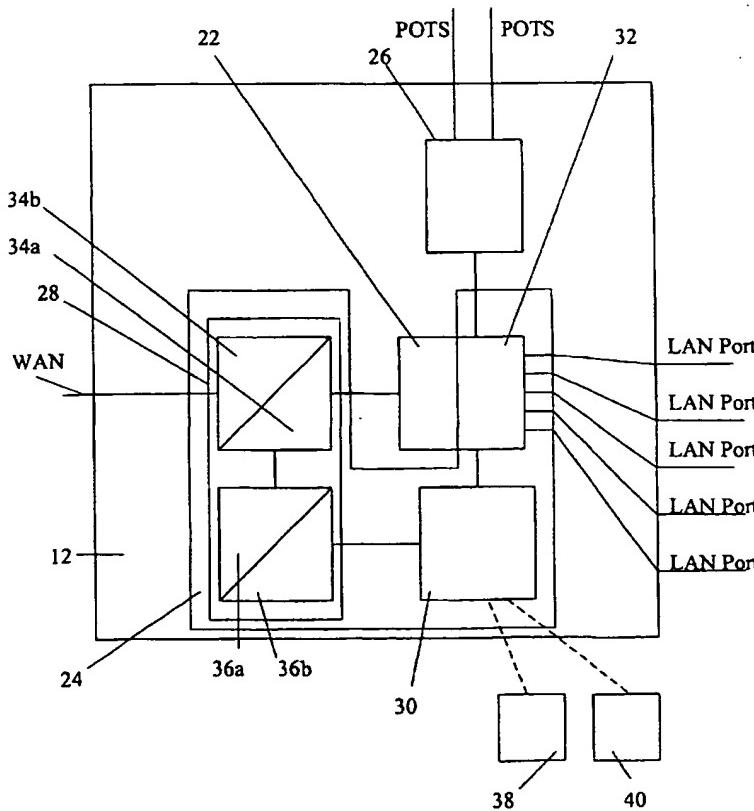
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,

[Continued on next page]

(54) Title: ADAPTIVE ETHERNET SWITCH SYSTEM AND METHOD



WO 03/063425 A1



(57) **Abstract:** The invention relates to switch based aggregation system, method and computer program product for providing Quality of Service (QoS) to a layer 2 configured network comprising a connection oriented switching means connected to a Wide Area Network (WAN). The system comprises an Adaptive Quality of Service (AQS) means connected to said switching means. The Adaptive Quality of Service (AQS) means comprises monitoring means for monitoring the total IP data throughput stream and the RTCP reports in the system, filtering means being capable of filtering the total IP data throughput stream and controlling means for controlling said filtering means depending on the monitoring of the total IP data throughput stream and adaptable filter criteria.